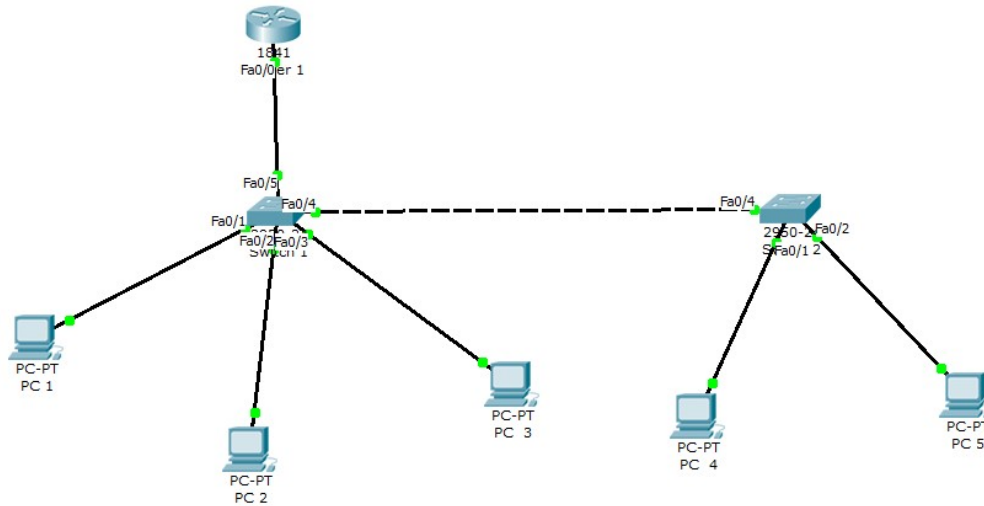

Computer Networks
2nd Year, 1st Semester
2021

VLAN Configurations (with VTP)



1. Assign IP addresses for the PCs.
PC1 – 192.168.100.5
PC2 – 192.168.50.5
PC3 – 192.168.150.5
PC4 – 192.168.100.6
PC5 – 192.168.50.6
2. Create 3 VLANs in Switch 1 – IT, HR, and SALES (VLAN IDs 100, 50, 150 respectively).
Propagate VLAN details to switch 2 via VTP.
3. Assign ports to VLANs.
Switch1 Fa0/1 – IT
Switch1 Fa0/2 – HR
Switch1 Fa0/3 – SALES
Switch2 Fa0/1 – IT
Switch2 Fa0/2 – HR
4. Assign IP addresses for the router's sub-interfaces.
Fa0/0.100 – 192.168.100.1 255.255.255.0
Fa0/0.50 – 192.168.50.1 255.255.255.0
Fa0/0.150 – 192.168.150.1 255.255.255.0
5. Display the VLAN and VLAN membership information.
6. Make necessary configuration for the PCs, Router and Switches.
7. Verify the connectivity.